



# Veterinary Laboratory Services-Immunohistology Submission Form

<p>Please send the sample to: <b>Veterinary Pathology</b>          School of Veterinary Science          University of Liverpool Leahurst Campus          Chester High Road          Neston, CH64 7TE          Tel: 0151 795 6294          Email: <a href="mailto:vpadmin@liverpool.ac.uk">vpadmin@liverpool.ac.uk</a></p> <p><i>Paraffin blocks preferred</i>  <i>Outside UK: please send pre cut</i>  <i>Slides on IHC grade slides in excess.</i></p>	<b>For Laboratory use only</b>
	Case ID No: <input style="width:100%;" type="text"/>
	Received <input style="width:100%;" type="text"/>

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="2">Owner Name</td></tr> <tr><td>Animal Name</td><td>Hosp. No.</td></tr> <tr><td>Species</td><td>Age</td></tr> <tr><td>Breed</td><td>Sex</td></tr> <tr><td colspan="2">Clinical information, including anatomical location:</td></tr> </table>	Owner Name		Animal Name	Hosp. No.	Species	Age	Breed	Sex	Clinical information, including anatomical location:		Veterinary Surgeon:  Practice Name & Address:  Phone: Email:
Owner Name											
Animal Name	Hosp. No.										
Species	Age										
Breed	Sex										
Clinical information, including anatomical location:											

Please indicate below which immunohistological test is required:

**FAST TRACK 48h SERVICE\***

CELL PHENOTYPE MARKERS			
Lymphoid	1	CD3	
	2	CD79a	
	3	CD45R (f)	
	4	PAX-5	
	5	CD20	
	6	MUM-1	
	7	Iba 1	
Histiocytic / Myeloid	8	Canine CD18 (c)	
	9	CD11d (c)	
	10	Myeloid/Histiocyte Ag	
Mastcell	14	Mast cell tryptase	
	15	C-Kit (CD117)	
	16	DOG1 (Cajal cells)	
Mesenchymal	17	Vimentin	
	18	Desmin	
	19	Alpha Smooth Actin	
	20	Myoglobin	
	21	Factor VIII (blood vessels)	
	22	Lyve -1 (lymphatics) (c)	
Malanocytic / Neural	23	SOX 10 (melanoma) (c)	
	24	Melan A (melanoma)	
	25	PNL-2 (melanoma)	
	26	S-100	
	27	Neurofilament	
	28	GFAP	
	29	Synaptophysin	
	30	Chromogranin A	
	31	Pan-Cytokeratin (AE1/AE3)	
	32	Cytokeratin 7	
	33	High Mol.Weight CK	
	34	Low Mol.Weight CK (AE1)	
	35	E-Cadherin	
	36	TTF 1 (Thyroid transcr. fact)	
<b>Infectious Agents</b>			
	35	Feline Coronavirus (FCoV)	
	36	Feline Calicivirus (FCV)	
	37	Feline Herpesvirus (FHV)	
	38	Feline Leukaemia Virus (FeLV)	
	39	Fel/Can Parvovirus (FPV/CPV)	
	40	Canine Distemper Virus (CDV)	
	41	Canine Adenovirus 1 (CAV1)	
	42	<i>Toxoplasma gondii</i>	
	43	<i>Neospora caninum</i>	
	45	<i>Helicobacter spp.</i>	
	46	<i>Entamoeba histolytica</i>	

**Full Phenotype PANELS**

A	<b>Round Cell Tumour (excluding melanoma)</b> 5 Abs: 1,2 (c)/3(f),6,7,15	
C	<b>Histiocytic Sarcoma vs Sarcoma</b> 3 Abs: 7,8(c),17	
D	<b>GIST vs Leio vs non-GIST/non-Leio</b> 6 Abs: 15, 16,17,18, 19, 26	
E	<b>Lymphoma phenotype</b> 4 Abs: 1,2(c)/3(f),4,5,	
G	<b>Melanoma vs Sarcoma/Carcinoma</b> 5 Abs: 23,24,25,17,31	
H	<b>Angiosarcoma vs Sarcoma</b> 3 Abs (17,21,22)	
I	<b>Other custom panels:</b> please contact us at: <a href="mailto:vpadmin@liverpool.ac.uk">vpadmin@liverpool.ac.uk</a>	

**Prognostic / Predictive Markers**

Oral / Cutaneous Melanoma (c): Ki-67 <input type="checkbox"/> <b>RED STAIN</b>	
Feline Mammary Carcinoma: Ki-67 (f) <input type="checkbox"/>	
Dermal/Subcutaneous Mast cell tumour(c): Ki-67 <input type="checkbox"/> & KIT <input type="checkbox"/>	

**INTRA-VITAM Diagnosis of FIP**

Fixed pellet or Native fluid**	
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**Tumour Cell Pellet Analysis**

Fixed pellet or Native fluid** Markers: Indicate in the list	
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(c)=canine (f)=feline : only

\* Samples need to be received by 1 pm on the first day and will be reported by 5pm of the third day. Additional fee in addition to normal charges.

\*\*We receive native fluid and we can perform cell pellet. Samples of fluid can be also received after a pellet is prepared at source, supernatant removed from tube and formalin added (1/10 ratio). The lab does not perform immunocytochemistry on unstained or pre stained cytology slides. Please contact the lab for further information [histolab@liverpool.ac.uk](mailto:histolab@liverpool.ac.uk)

**Research and Teaching Statement**

"I realise that in submitting this material I agree to its potential use for teaching and/or research by the University"